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**APPENDIX A**

4. (Amended) An isolated human pluripotential stem cell which can:
- (a) be maintained on feeder layers for at least 20 passages; and
  - (b) give rise to embryoid bodies and multiple differentiated cell phenotypes in monolayer culture, [wherein said cell has the potency characteristics of a cell derived from a primordial germ cell by the process of: (1) culturing a human primordial germ cell in a composition comprising basic fibroblast growth factor, leukemia inhibitory factor, membrane associated steel factor, and soluble steel factor; (2) selecting cells that have characteristics (a) and (b) above, and (3) isolating said human pluripotential cell; and] wherein the [characteristics of the] cell [include having] has a normal karyotype.